

CLAIMS

Sub
C1

1 1. A leather coated with a fluorine-containing resin coating
2 composition, which has an outermost layer of a fluorine-containing resin
3 coating film, in which in stain removing test according to JIS L 0805, a
4 grey scale is grade 4 or more and in ethanol resistance test according to
5 JIS K 6547 by using a clock meter type friction tester, an area of
6 chipped-off fluorine-containing coating film is 50 % or less.

1 2. The leather coated with a fluorine-containing resin coating
2 composition of Claim 1, wherein in said stain removing test, a stain is
3 marked with a rouge, the stain is allowed to stand for 30 minutes and a
4 neutral detergent is used as a stain removing agent.

1 3. The leather coated with a fluorine-containing resin coating
2 composition of Claim 1, wherein in the cold resistance test in which the
3 leather is allowed to stand at -5°C for 24 hours and folded with its
4 coated surface being faced outward, a cracking does not arise on the
5 fluorine-containing resin coating film.

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1 4. The leather coated with a fluorine-containing resin coating
2 composition of any of Claims 1 to 3, wherein in a flexing fatigue
3 resistance test which is carried out by bending the coated leather 30,000
4 times by using a flexometer described in JIS K 6545, a cracking does not
5 arise on the fluorine-containing resin coating film.

1 5. The leather coated with a fluorine-containing resin coating

Sub A2
2 composition of any of Claims 1 to 4, which has the fluorine-containing
resin coating film of 2 g/m².

1 6. The leather coated with a fluorine-containing resin coating
2 composition of any of Claims 1 to 5, wherein the fluorine-containing
3 resin coating film is formed by curing a curable fluorine-containing resin
4 coating composition comprising a fluorine-containing resin having a
5 reactive curable group and a curing agent.

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2 7. The leather coated with a fluorine-containing resin coating
3 composition of Claim 6, wherein the reactive curable group is at least
4 one of hydroxyl group, amino group, epoxy group, carboxyl group,
5 mercapto group, hydrolyzable silyl group, amido bond, urethane bond
and urea bond.

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1 8. The leather coated with a fluorine-containing resin coating
2 composition of Claim 6, wherein the reactive curable group is hydroxyl
3 group.

1 9. The leather coated with a fluorine-containing resin coating
2 composition of Claim 8, wherein a hydroxyl value of the fluorine-
3 containing resin having hydroxyl group is not more than 200 mgKOH/g.

Sub A2
1 10. The leather coated with a fluorine-containing resin
2 coating composition of any of Claims 6 to 9, wherein the fluorine-
3 containing resin is a polymer having at least one of
4 chlorotrifluoroethylene unit, tetrafluoroethylene unit, trifluoroethylene

5 unit, hexafluoropropylene unit, vinylidene fluoride unit and vinyl
6 fluoride unit.

Sub A2
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11. The leather coated with a fluorine-containing resin
1 coating composition of any of Claims 6 to 10, wherein the curing agent is
2 an isocyanate compound, amino resin, acid anhydride, polysilane
3 compound, polyepoxy compound or silane compound having isocyanate
4 group.
5

12. The leather coated with a fluorine-containing resin
1 coating composition of any of Claims 1 to 11, wherein the fluorine-
2 containing resin coating film is formed directly on the leather.
3

13. The leather coated with a fluorine-containing resin
1 coating composition of any of Claims 1 to 11, wherein a primer layer is
2 formed between the leather and the fluorine-containing resin coating
3 film.
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14. The leather coated with a fluorine-containing resin
1 coating composition of Claim 13, wherein the primer layer is a non-
2 fluorine-containing coating film comprising an acrylic resin, methacrylic
3 resin, urethane resin, acrylonitrile resin, butadiene resin, styrene resin,
4 vinyl chloride resin, vinylidene chloride resin, vinyl acetate resin or a
5 mixture of two or more thereof.
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Sub A3
15. A method of producing the leather coated with the
1 fluorine-containing resin coating composition of any of Claims 1 to 5,
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3 which comprises coating the curable fluorine-containing resin coating
4 composition of any of Claims 6 to 11 on the leather surface directly or
5 through a primer layer, and curing.

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1 16. The production method of Claim 15, wherein the
2 fluorine-containing resin coating composition is coated on the leather
3 directly without forming a primer layer between the leather and the
4 coating film of the resin coating composition.

1 17. The production method of Claim 15, wherein the
2 fluorine-containing resin coating composition is coated after coating the
3 primer layer on the leather.

1 18. The production method of Claim 17, wherein the primer
2 layer is the non-fluorine-containing coating film of Claim 14.

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A4
1 19. The leather coated with a fluorine-containing resin
2 coating composition of any of Claims 1 to 14, which is used for interior
3 goods of building, interior goods of vehicles, furniture, shoes, bags,
4 clothes and small leather articles.